ADAMSON

Adamson Systems Engineering

POINT SERIES

user manual

v.1.3

ADAMSON SYSTEMS ENGINEERING
TORONTO CANADA
T:+1 [905] 982 0520 F:+1 [905] 982 0609
www.adamsonsystems.com

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⚠WARNING

It is compulsory to read this manual before using the Point Series system. Supervision and competency are the responsibility of the system owners and operators. All welded intersections, joints and rigging hardware must be inspected regularly. Operators must not assume rigging has been inspected prior to use.

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1.0
Introduction

This manual is designed to give the Point Series user the necessary information to accurately, and safely, install the Point Series range of loudspeakers in all their available configurations.

We will cover each box in the Point Series range and take a look at the technology involved that makes the Point Series range one of the best sounding installation speakers ranges available today.

Step by step rigging procedures will be included for all available Point Series rigging.

The Point Series™ loudspeaker range has been designed with the installation market in mind. Our goal was to bring the innovative loudspeaker technology utilized in the world renowned Adamson touring products, to the installation industry.

The Point Series has been designed from the ground up to provide a complete solution where point source loudspeakers are preferable over line source arrays. When building a point source loudspeaker system, one must pay special attention to not only fidelity, but box output, rigging versatility and pattern control.

The Point Series is not designed to be hung in large arrays, where individual boxes can rely on constructive summation to increase low frequency output. To ensure the Point Series low frequency drivers can maintain a high level of low frequency energy when used as a single source (or a small 2 or 3 box array), Adamson uses Advanced Cone Architecture™ with Kevlar cone geometry and cutting edge Neodymium driver technologies to ensure maximum SPL with zero cone fatigue, while providing minimal axial modes in the passband.

Adamson has been on the cutting edge of Kevlar cone technology since the mid 80s and has been using Kevlar cones in the low and mid band speakers for over 20 years. Combine this technology with long excursion Neodymium magnets and you have superior power handling, greater output power and consistently stable low end, all while keeping weight to a minimum. The low frequency driver baskets in the Point Series utilize enlarged heat sinks and thermal fins to draw heat away from the coil, lowering it's operating temperature and minimizing thermal compression.

Since point source loudspeakers cannot sum coherently in the way true line source arrays do (especially in the higher frequencies), they are best used in single box or small arrays- that are focused on discrete listening areas- to minimize comb filter effects on the listening area. Since 1988, Adamson has pioneered the use of waveguides based on the work of Dr. Earl Geddes. In 1987, Geddes clearly described the geometry of the Cylindrical, Elliptical Cylindrical and Oblate Spheroidal waveguides. Adamson has further advanced these geometries using technologies such as Finite Element Analysis and other advanced modeling techniques, stringent testing and evaluation procedures. The use of advanced composite materials ensure the waveguides and high frequency components are of the highest quality available.

For precise aiming and control, and to ensure as little high frequency overlap as possible, the Point Series range comes equipped with a rotatable wave guide, that is available in three different coverage patterns to give the sound designer a number of options to achieve coverage where they

need to- and not where they don't.

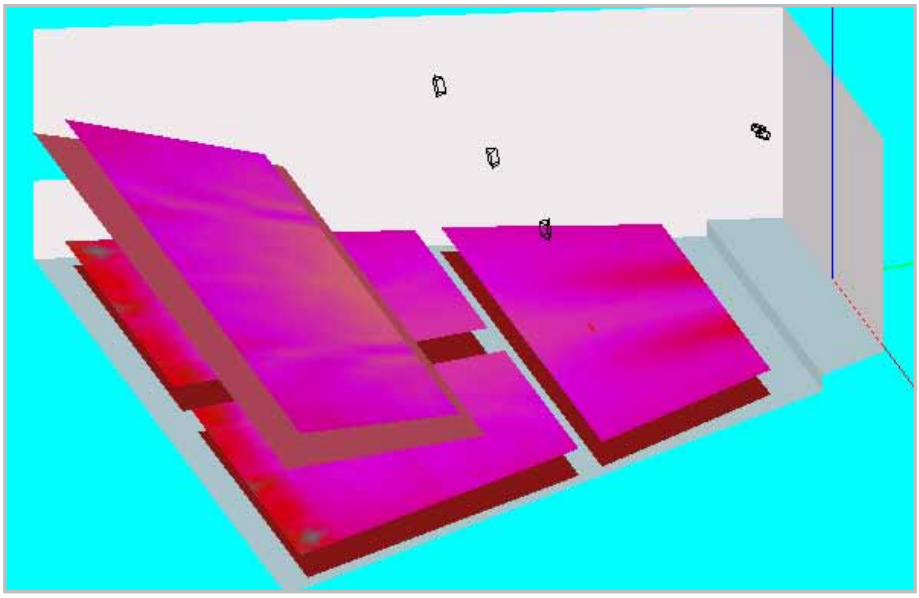
The Point Series also uses an innovative SLR™ rigging system, which allows individual boxes to be pointed where they need to cover- irrespective of the positioning of other boxes in the array. The SLR™ rigging system is highly adjustable, for precise results, using virtually any Point Series box configuration, but is also very simple to adjust. SLR™brackets can be "snapped" into place and then adjusted to almost any desirable coverage angle.

The look of an installation loudspeaker system is highly underrated, as installations can be lost if the speaker system cannot blend into it's surroundings. This is especially true in many heritage buildings. That is why Adamson offers the Point Series in the entire range of Pantone Color Systems, giving designers and contractors 1114 different color options to perfectly match the speaker and SLR™ rigging accessories to the room.

All the Point Series boxes are made from 11ply 5/8" Baltic Birch for rock solid construction and are shaped in anisometric hexagonal design to allow for use as a stage monitor if necessary. They feature foam covered, powder coated steel grills.

In the interest in keeping costs down when budget is an issue, Adamson decided to offer the Point Series in both Active and Passive versions.

Accurate prediction of the performance of loudspeakers in a permanent installation is paramount to ensuring the right speaker is used for the job. This is why Adamson has released EASE data for their entire Point Series range.



The Point 15

The Point 15 is the largest 2 way cabinet in the Point Series range. The Point 15's frequency range (+/-3dB) is 55Hz -18kHz (full range) or 90Hz -18kHz (with xover preset). Common uses are live bands, DJs or high level program material. The Point 15 is available with a rotatable 40° x 20°, 40° x 60° or 60° x 90° wave guide with a 3" B&C DE800 16Ω 1.4" exit compression driver and features the 15" ND-15L 6Ω Neodymium / Kevlar Mid Bass Driver. It comes complete with SLR™ rigging sockets, a built in pole mount socket and is Omnimount (60 Series) ready . It is available in active or passive version. Presets are available for the Point Controller Digital Signal Processor.

The Point 12

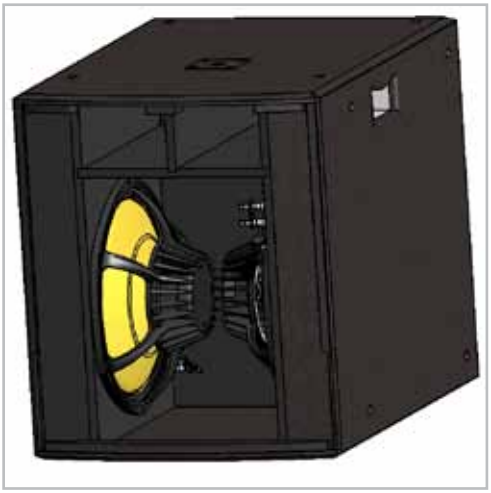
The Point 12 is the second largest 2 way cabinet in the Point Series range. The Point 12's frequency range (+/-3dB) is 60Hz-18kHz (full range) or 110Hz-18kHz (with xover preset). It is the most versatile of the Point Series range and can be used for speech systems, live bands, DJs or high level program material where the low mid response of the powerful Point 15 is not required. The Point 12 is available with a rotatable 40° x 20°, 40° x 60° or 60° x 90° wave guide with a 3" B&C DE800 16Ω 1.4" exit compression driver and features the 12" ND-12 6Ω Neodymium / Kevlar Mid Bass Driver. It comes complete with SLR™ rigging sockets, a built in pole mount socket and is Omnimount (60 Series) ready . It is available in active or passive version. Presets are available for the Point Control Digital Signal Processor.

The Point 8

The Point 8 is the smallest 2 way cabinet in the Point Series range. The Point 8's frequency range (+/-3dB is 65Hz - 20kHz) (full range) or 135Hz-20kHz (with xover preset). The Point 8 can be used for speech systems and program material or anywhere where high power without an excessive amount of low frequency energy is required in a small footprint. The Point 8 is available with a rotatable 60° x 90° wave guide with a 1.7" B&C DE500 16Ω 1" exit compression driver and features the 8" ND-8 16Ω Neodymium / Kevlar Mid Bass Driver. It comes complete with SLR™ rigging sockets, a built in pole mount socket and is Omnimount (30 Series) ready . It is available in active or passive version. It can be used in passive mode with the Point 115 Sub run from a single amp channel where extra low frequency output is required. The Point 8 box geometry allows it to be used horizontally under a vertically flown Point 15 or Point 115 Sub as a down fill cabinet. Presets are available for the Point Control Digital Signal Processor.

The Point 115 Sub

The Point 115 is the smaller of the two original subs in the Point Series range. It features a frequency range (+/-3dB) of 50Hz- 200Hz (full range) or 50Hz-135Hz (with xover preset). The Point 115 Sub can be used to complement the entire 2-way Point Series range. The Point 115 Sub features 1x 15" ND-15S 6Ω Neodymium / Kevlar Bass Driver with a peak power handling of 2000W. It comes complete with SLR™ rigging sockets and is Omnimount (60 Series) ready. In passive mode, the Point 115 Sub can utilize a built in xover so that signal can be looped out to a Point 8 cabinet via the recessed NL4 panel provididing a seamless xover between the Point 115 & Point 8 without the need of DSP. Active presets are available for the Point Control Digital Signal Processor. The Point 115 box geometry allows it to be flown vertically with a Point 15, or flown vertically with a horizontal Point 8 underneath. SLR™ Rigging Sockets are standard. The Point Sub Pole Mount Base is also available.



The Point 215 Sub

The Point 215 is the largest of the two original subs in the Point Series range. It features a frequency range (+/-3dB) of 35Hz- 160Hz (full range) or 35Hz-110Hz (with xover preset). The Point 215 Sub can be used to complement the entire 2-way Point Series range. The Point 215 Sub features 2x 15" ND-15S 6Ω Neodymium / Kevlar Bass Driver in a manifold configuration and is capable of a massive 4000W peak power handling. It is the only Point Series cabinet that does not include the SLR™ rigging system but comes standard with 5/16-18 threads for Eye Hooks if flying is necessary .

technical specifications

POINT SERIES 8

RIGGING FEATURES

The Side Lock Revolver (SLR™) rigging system promotes flexibility in setup even in the most Dali-esque venues with difficult coverage areas. The series enclosures have been designed to fully integrate with one another. The Point 8's height matches the Point 115 Sub's width for easy, underhang applications. All cabinets use discreet SLR™ sockets placed on 4 sides of the enclosure, availble for use with all Point series rigging methods offered. Many of the SLR™ rigging parts feature a 'Quick-lock™' mechanism for a one-step installation and/ or angle adjustment.

Built-in Rigging Features:

2 Sets of SLR™ Sockets
Built-in Polemount Socket
4 x 5/16 -18 threads for Omni Mount 30 Series

Optional Rigging Parts:

SLR™ Quick-Lock™ Components:
Vertical & Horizontal Bracket™, Butterfly Bracket™, Articulator™
SLR™ Components:
Sight Mount Bracket™, Extended Sight Mount Bracket™, Super Sight Mount Bracket™
SLR™ Underhang Components:
Point 115 Sub to Point 8 Horizontal Bracket (Left & Right)
Point 15 to Point 8 Horizontal Bracket (Left & Right)
SLR™ Polemount Components:
Polemount Base™ for Quick-Lock™ Horizontal Brackets™
SLR™ C-Clamp Components:
Quick-Lock™ 360° Articulator™, Fixed Base™
SLR™ Monitor Mode Components:
Wedger™

* please refer to the Point Series user manual for details on all SLR™ rigging systems and parts.

PHYSICAL DATA

Dimensions & Weight	
Height Front (cm)	17.3/4" (45.1)
Width (cm)	9.7/8" (25.1)
Depth (cm)	9.7/8" (25.1)
Weight (Kg)	23.6 lbs (10.7)
Weight (Kg) with Crossover	27.6 lbs (12.5)
Box Shape	Anisometric Hexagon
Box Finish Hardware Finish	Textured Water Borne Acrylic Polyester Sandtex™ Powder
Protective grille	18 Gauge steel & foam
Horn Configuration	Fiberglass Waveguide
Cabinet Construction	Rugged 11 ply 5/8" Baltic Birch
Options	1,114 Pantone colours

TECHNICAL DATA

Frequency Response (+/-3dB)	
Full Range Preset	65Hz - 20kHz
Frequency Range	
with Xover Preset	135Hz - 20kHz
Maximum SPL	
(Xover Preset: High Pass @80Hz)	(Continuous / Peak)
Passive with Full Range Preset	118.6dB / 124.6dB
Passive with Xover Preset	121.4dB / 127.4dB
Active with Full Range Preset	n/a
Active with Xover Preset	n/a
Directivity	
Horizontal	90° / 60°
Vertical	60° / 90°
Sensitivity (2.83V @ 1m)	
LF	93.64 dB
HF	103.82 dB
LF/MF Section (Impedance Ω)	8" ND-8LM Kevlar Neodymium Mid-Bass driver (16Ω)
HF Section (Impedance Ω)	1.7" B&C DE 500 1" exit compression driver (16Ω)
Power Handling	(AES / Program / Peak)
LF	250 /500 /1000
HF	50 / 100 / 200
Connection	2 x Neutrik Speakon™ NL4 connectors

Adamson Systems Engineering
1401 Scugog Line 6, Port Perry,
ON L9L 1B2, Canada
t: [905] 982 0520 f: [905] 982 0609
www.adamsonsystems.com
info@adamsonsystems.com

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technical specifications

POINT SERIES 12

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RIGGING FEATURES

setup even in the most Dali-esque venues with difficult coverage areas. All cabinets use discreet SLR™ sockets placed on 4 sides of the enclosure, available for use with all Point series rigging methods offered. The Point 12's can be hung side by side using the SLR™ Butterfly Brackets™ and SLR™ Super Sight Mount™, or in a single or double vertical pair configuration, using the SLR Articulator™. Both systems allow full individual box rotation for vertical angle control with a pull of the Quick-lock™ pin, and horizontal angle control with a single manually adjustable knob (special-order only) or a Philips head screw.

Built-in Rigging Features:

2 Sets of SLR™ Sockets, Built-in Polemount Socket, 4 x 5/16 -18 threads for Omni Mount 60 Series

Optional Rigging Parts:

SLR™ Quick-Lock™ Components:

Vertical & Horizontal Bracket™, Butterfly Bracket™, Articulator™

SLR™ Components:

Sight Mount Bracket™, Extended Sight Mount Bracket™, Super Sight Mount Bracket™

SLR™ Polemount Components:

Polemount Base™ for Quick-Lock™ Horizontal Brackets™

SLR™ C-Clamp Components:

Quick-Lock™ 360° Articulator™, Fixed Base™

SLR™ Underhang Components:

Use 2 x Vertical Brackets™ or 2 x Butterfly Brackets™ with an Articulator™ for a 2 or 4-box Array.

SLR™ Monitor Mode Components:

Wedger™

*please refer to the Point Series user manual for details on all SLR™ rigging systems and parts.

PHYSICAL DATA

Dimensions & Weight	
Height Front (cm)	25.1/4" (64.2)
Width (cm)	13.6/8" (35.3)
Depth (cm)	10.1/2" (26.6)
Weight (Kg)	45.5 lbs (20.7)
Weight (Kg) with Crossover	49.5 lbs (22.5)
Box Shape	Anisometric Hexagon
Box Finish Hardware Finish	Textured Water Borne Acrylic Polyester Sandtex™ Powder
Protective grille	18 Gauge Steel & foam
Horn Configuration	Fiberglass Waveguide
Cabinet Construction	Rugged 11 ply 5/8" Baltic Birch
Options	1,114 Pantone colours

TECHNICAL DATA

Frequency Response (+/-3dB)	
Full Range Preset	60Hz - 18kHz
Frequency Range	
with Xover Preset	110Hz - 18kHz
Maximum SPL	
(Xover Preset: High Pass @80Hz)	(Continuous / Peak)
Passive with Full Range Preset	121.1dB / 127.1dB
Passive with Xover Preset	124.0dB / 130.0dB
Active with Full Range Preset	126.4dB / 132.4dB
Active with Xover Preset	128.0dB / 134.0dB
Directivity	
Horizontal x Vertical	40°x 20° / 60°x 40° / 90°x 60°
Sensitivity (2.83V @ 1m)	
LF	98.4 dB
HF	108.15 dB
LF/MF Section (Impedance Ω)	12" ND-12 Neodymium Kevlar Mid-Bass driver (6Ω)
HF Section (Impedance Ω)	3" B&C DE 800 1.4" exit compression driver (16Ω)
Power Handling	(AES / Program / Peak)
LF	500 /1000 /2000
HF	110 / 220 / 440
Connection	2 x Neutrik Speakon™ NL4 connectors

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Adamson Systems Engineering
1401 Scugog Line 6, Port Perry,
ON L9L 1B2, Canada
t: [905] 982 0520 f: [905] 982 0609
www.adamsonsystems.com
info@adamsonsystems.com

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technical specifications

POINT SERIES 15

RIGGING FEATURES

setup even in the most Dali-esque venues with difficult coverage areas. All cabinets use discreet SLR™ sockets placed on 4 sides of the enclosure, available for use with all Point series rigging methods offered. The Point 12's can be hung side by side using the SLR™ Butterfly Brackets™ and SLR™ Super Sight Mount™, or in a single or double vertical pair configuration, using the SLR Articulator™. Both systems allow full individual box rotation for vertical angle control with a pull of the Quick-lock™ pin, and horizontal angle control with a single manually adjustable knob (special-order only) or a Philips head screw.

Built-in Rigging Features:

2 Sets of SLR™ Sockets, Built-in Polemount Socket, 4 x 5/16 -18 threads for Omni Mount 60 Series

Optional Rigging Parts:

SLR™ Quick-Lock™ Components:

Vertical & Horizontal Bracket™, Butterfly Bracket™, Articulator™

SLR™ Components:

Sight Mount Bracket™, Extended Sight Mount Bracket™, Super Sight Mount Bracket™

SLR™ Polemount Components:

Polemount Base™ for Quick-Lock™ Horizontal Brackets™

SLR™ C-Clamp Components:

Quick-Lock™ 360° Articulator™, Fixed Base™

SLR™ Underhang Components:

Use 2 x Vertical Brackets™ or 2 x Butterfly Brackets™ with an Articulator™ for a 2 or 4-box Array.

SLR™ Monitor Mode Components:

Wedger™

*please refer to the Point Series user manual for details on all SLR™ rigging systems and parts.

PHYSICAL DATA

Dimensions & Weight	
Height Front (cm)	28.5/8" (72.6)
Width (cm)	17.3/4" (45.1)
Depth (cm)	13.1/8" (33.4)
Weight (Kg)	54.5 lbs (24.8)
Weight (Kg) with Crossover	58.5 lbs (26.6)
Box Shape	Anisometric Hexagon
Box Finish	Textured Water Borne Acrylic
Hardware Finish	Polyester Sandtex™ Powder
Protective grille	18 Gauge Steel & foam
Horn Configuration	Fiberglass Waveguide
Cabinet Construction	Rugged 11 ply 5/8" Baltic Birch
Options	1,114 Pantone colours

TECHNICAL DATA

Frequency Response (+/-3dB)	
Full Range Preset	55Hz - 18kHz
Frequency Range	
with Xover Preset	90Hz - 18kHz
Maximum SPL	
(Xover Preset: High Pass @80Hz)	(Continuous / Peak)
Passive with Full Range Preset	122.6dB / 128.6dB
Passive with Xover Preset	125.5dB / 131.5dB
Active with Full Range Preset	127.6dB / 133.6dB
Active with Xover Preset	129.4dB / 135.4dB
Directivity	
Horizontal x Vertical	40°x 20° / 60°x 40° / 90°x 60°
Sensitivity (2.83V @ 1m)	
LF	102.7 dB
HF	108.15 dB
LF/MF Section (Impedance Ω)	15" ND15L Neodymium Kevlar Mid-Bass driver (6Ω)
HF Section (Impedance Ω)	3" B&C DE 800 1.4" exit compression driver (16Ω)
Power Handling	(AES / Program / Peak)
LF	500 /1000 /2000
HF	110 / 220 / 440
Connection	2 x Neutrik Speakon™ NL4 connectors

Adamson Systems Engineering
1401 Scugog Line 6, Port Perry,
ON L9L 1B2, Canada
t: [905] 982 0520 f: [905] 982 0609
www.adamsonsystems.com
info@adamsonsystems.com

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technical specifications

POINT SERIES SUB 115

ADAMSON

RIGGING FEATURES

The Side Lock Revolver (SLR™) rigging system promotes flexibility in setup even in the most Dali-esque venues with difficult coverage areas. All cabinets use discreet SLR™ sockets placed on 4 sides of the enclosure, available for use with practically all Point series rigging methods offered. The Point 115 Subs can be arrayed using the SLR™ Sight Mount™, Quick-Lock™ 360° Articulator™, or one below the other with SLR™ Underhang system, in settings such as dance clubs where space might be an issue. SLR™ systems allow full box rotation for horizontal control with a pull of the Quick-lock™ pin, and vertical angle control with a single manually adjustable knob (special-order only) or a Philips head screw.

Built-in Rigging Features:

2 Sets of SLR™ Sockets, Built-in Polemount Socket, 4 x 5/16 -18 threads for Omni Mount 60 Series

Optional Rigging Parts:

SLR™ Quick-Lock™ Components:
Vertical & Horizontal Bracket™, Articulator™
SLR™ Components:
Sight Mount Bracket™, Extended Sight Mount Bracket™, Super Sight Mount Bracket™
SLR™ Polemount Components:
Polemount Base™ for Point Subs
SLR™ C-Clamp Components:
Quick-Lock™ 360° Articulator™, Fixed Base™
SLR™ Underhang Components:
Point 115 Sub to Point 8 Bracket
(Left & Right) or use with
2 x Point 115 Sub.

*please refer to the Point Series user manual for details on all SLR™ rigging systems and parts.

PHYSICAL DATA

Dimensions & Weight	
Height Front (cm)	16.1/2" (41.9)
Width (cm)	17.3/4" (45.1)
Depth (cm)	13.1/8" (33.4)
Weight (Kg)	38.5 lbs (17.5)
Weight (Kg) with Crossover	43.5lbs (19.8)
Box Shape	Symmetrical Rectangle slightly curved front
Box Finish Hardware Finish	Textured Water Borne Acrylic Polyester Sandtex™ Powder
Protective grille	18 Gauge Steel & foam
Cabinet Construction	Rugged 11 ply 5/8" Baltic Birch
Options	1,114 Pantone colours

TECHNICAL DATA

Frequency Response (+/-3dB)	
Full Range Preset	55Hz - 200Hz
Frequency Range	
with Xover Preset	50Hz - 135Hz
Maximum SPL (Continuous)	
with Xover Preset	TBA
with Full Range Preset	TBA
Maximum SPL (Peak)	
Xover Preset	TBA
Full Range Preset	TBA
Sensitivity (2.83V @ 1m)	
LF	95 dB
LF Section (Impedance Ω)	15" ND15S Neodymium Kevlar Mid-Bass driver (6Ω)
Power Handling	(AES / Program / Peak)
LF	500 /1000 /2000
Connection	2 x Neutrik Speakon™ NL4 connectors

ADAMSON
Adamson Systems Engineering
1401 Scugog Line 6, Port Perry,
ON L9L 1B2, Canada
t: [905] 982 0520 f: [905] 982 0609
www.adamsonsystems.com
info@adamsonsystems.com

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POINT SERIES SUB 215

RIGGING FEATURES

Built-in Rigging Features:

- Built-in Polemount Socket
- 5/16 -18 threads for Eye Hooks

Optional Rigging Parts:

SLR™ Polemount Components:

Polemount Base™ for Point Subs

*please refer to the Point Series user manual for details on all SLR™ rigging systems and parts.

PHYSICAL DATA

Dimensions & Weight	
Height Front (cm)	24.3/8" (61.05)
Width (cm)	21.1/4" (54)
Depth (cm)	29.7/8" (75.9)
Weight (Kg)	103.5 lbs (47)
Box Shape	Symmetrical Rectangle slightly curved front
Box Finish	Textured Water Borne Acrylic
Hardware Finish	Polyester Sandtex™ Powder
Protective grille	18 Gauge Steel & foam
Cabinet Construction	Rugged 11 ply 5/8" Baltic Birch
Options	1,114 Pantone colours

TECHNICAL DATA

Frequency Response (+/-3dB)	
Full Range Preset	40Hz - 160Hz
Frequency Range	
with Xover Preset	535Hz - 110Hz
Maximum SPL	(Continuous / Peak)
Passive with Xover Preset	130.4dB / 136.4dB
LF Section (Impedance Ω)	2 x15" ND15S Neodymium Kevlar Mid-Bass drivers (6Ω)
Power Handling	(AES / Program / Peak)
LF	1000 /2000 /4000
Connection	2 x Neutrik Speakon™ NL4 connectors

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	POINT 8	POINT 12	POINT 15	POINT 115 SUB	POINT 215 SUB
Built-in Rigging:					
2 Sets of SLR™ Sockets	x	x	x	x	n/a
Built-in Polemount Socket	x	x	x	n/a	n/a
4 x 5/16 -18 threads (for Omni Mount 40/60 Series - Adamson does not supply)	40 Series	60 Series	60 Series	60 Series	n/a
5/16 -18 threads for Eye Hooks	n/a	n/a	n/a	n/a	x
Optional Rigging:					
SLR™ Quick-Lock™ Components:					
Vertical & Horizontal Bracket	x	x	x	x	n/a
Butterfly Bracket™	x	x	x	n/a	n/a
Articulator™	x	x	x	x	n/a
SLR™ Components:					
Sight Mount™	x	x	x	x	n/a
Extended Sight Mount™	x	x	x	x	n/a
Super Sight Mount™	x	x	x	x	n/a
SLR™ Underhang Components:					
Point 115 Sub to Point 8 (Left & Right)	x	n/a	n/a	x	n/a
Point 15 to Point 8 (Left & Right)	x	n/a	x	n/a	n/a
SLR™ Polemount Components:					
Polemount Base for Quick-Lock™ Vert. & Hor. Brackets	(Hor. only)	x	x	x	n/a
Polemount Base for Point Subs	n/a	n/a	n/a	x	x
SLR™ C-Clamp Components:					
Quick-Lock™ 360° Articulator™	x	x	x	x	n/a
Fixed Base™	x	x	x	x	n/a
SLR™ Monitor Stand Components:					
Wedger™	x	x	x	n/a	n/a

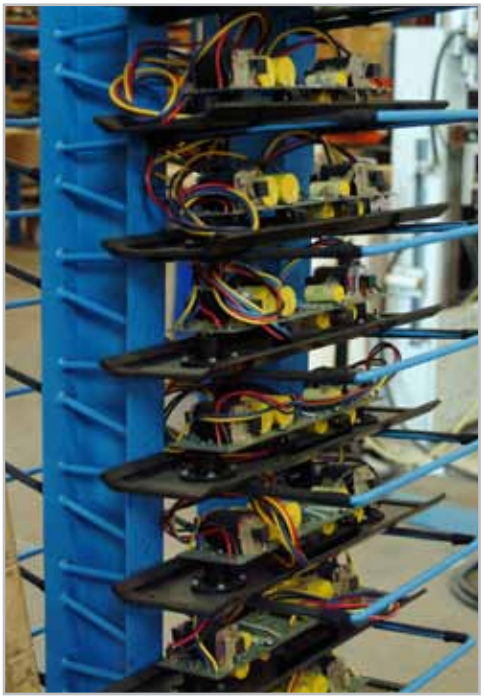
Point Series & Side Lock Revolver™ Rigging Accessories	
PRODUCT	**PART NUMBER**
Point 8-A	**900091**
Active, ND8 LF & 1" exit HF	
Point 8-P	**900092**
Passive, ND8 LF & 1" exit HF	
Point 12-A	**900093**
Active, ND12 LF & 1.4" exit HF	
Point 12-P	**900094**
Passive, ND12 LF & 1.4" exit HF	
Point 15-A	**9000095**
Active, ND15 LF & 1.4" exit HF	
Point 15-P	**900096**
Passive, ND15 LF & 1.4" exit HF	
Point 115 Sub-A	**900099**
Active, Single 15 sub	
Point 115 Sub-P	**900098**
Passive, Single 15 sub - For use with Point 8-P	
Point 215 Sub	**900097**
Active, Dual 15 sub	
Quick-Lock™ Vertical Bracket V-8	**920110**
Point 8 vertical (narrow) yoke	
Quick-Lock™ Butterfly Bracket V-8	**920111**
Point 8 vertical yoke/dual cabinet horizontal configuration	
Quick-Lock™Horizontal Bracket H-8	**920112**
Point 8 horizontal (wide) yoke	
115 Sub Underhang Kit	**920099**
Hardware for underhanging a Point 8 under Point 115 Sub (Left and Right)	
Quick-Lock™ Vertical Bracket V-12	**920113**
Point 12 vertical (narrow) yoke	
Quick-Lock™ Butterfly Bracket V-12	**920114**
Point 12 vertical yoke/dual cabinet horizontal configuration	
Quick-Lock™ Horizontal Bracket -12	**920115**
Point 12 horizontal (wide) yoke	

Quick-Lock™ Vertical Bracket V-15	**920117**
Point 15 vertical (narrow) yoke	
Quick-Lock™ Butterfly Bracket V-15	**920118**
Point 15 vertical yoke/dual cabinet horizontal configuration	
Point 15 Underhang Kit	**920098**
Hardware for underhanging a Point 8 under Point 15 for downfill (Left and Right)	
Quick-Lock™ Horizontal Bracket H-15	**920119**
Point 15 horizontal (wide) yoke	
SLR™ Sight Mount	**920095**
Rigging Disk with multiple angle bar for Point 15/12/8 (CC)	
SLR™ Super Sight Mount	**920096**
Lifting hardware for 2 deep arrays Point 15/12/8	
SLR™ Extended Sight Mount	**920094**
Rigging Disk with extra Long multiple angle bar for Point 15/12/8 (CC)	
Quick-Lock™ Articulator	**920097**
For use in 2 deep arrays Point 15/12/8. Must be sold w/2 x Quick-Lock H and 1 x Site Mount- L	
Fixed Base	**920124**
A C Clamp accesory which attaches to a SRL™ Socket in a Point 8/12/15/115Sub/215Sub	
Quick-Lock™ 360° Articulator	**920123**
A QL C Clamp accesory which attaches to a SRL™ Socket in a Point 8/12/15/115Sub/215Sub	
Polemount Base for Quick-Lock™ Vert. & Hor. Brackets	**920108**
For polemounting Quick-Lock™ Horizontal & Vertical Brackets. Point 8/12/15. Point 8 Horizontal only.	
Polemount Base for Point Subs	**920109**
A polemounting accesory for Point 115/215 Subs when used as base	
Polemount Pole	**920212**
A Polemounting Accesory for Point Series	
Manually Adjustable Knob	**920107**
Used to replace Phillips head screw on SLR Rigging	
SLR™ Wedger -8	**920125**
Stand for supporting a Point 8 enclosure as a wedge with 2 fixed angles: 40° & 55° of elevation.	
SLR™ Wedger -12	**920126**
A Stand/Handle Combo for supporting a Point 12 enclosure as a wedge with 2 fixed angles: 40° & 55° of elevation.	
SLR™ Wedger -15	**920127**
A Stand/Handle Combo for supporting a Point 12 enclosure as a wedge with 2 fixed angles: 40° & 55° of elevation.	

2.0
Rotatable Waveguide

The Point 12, and 15 feature a 40°x 20°, 60°x 40° or 90°x 60° rotatable waveguide, whereas the Point 8 is available with a 90 ° x 60° rotatable waveguide.

Simply order the cabinet with the desirable Waveguide, To modify the waveguide from a vertical to a horizontal configuration, unscrew 4 screws, turn the waveguide and screw back into place.

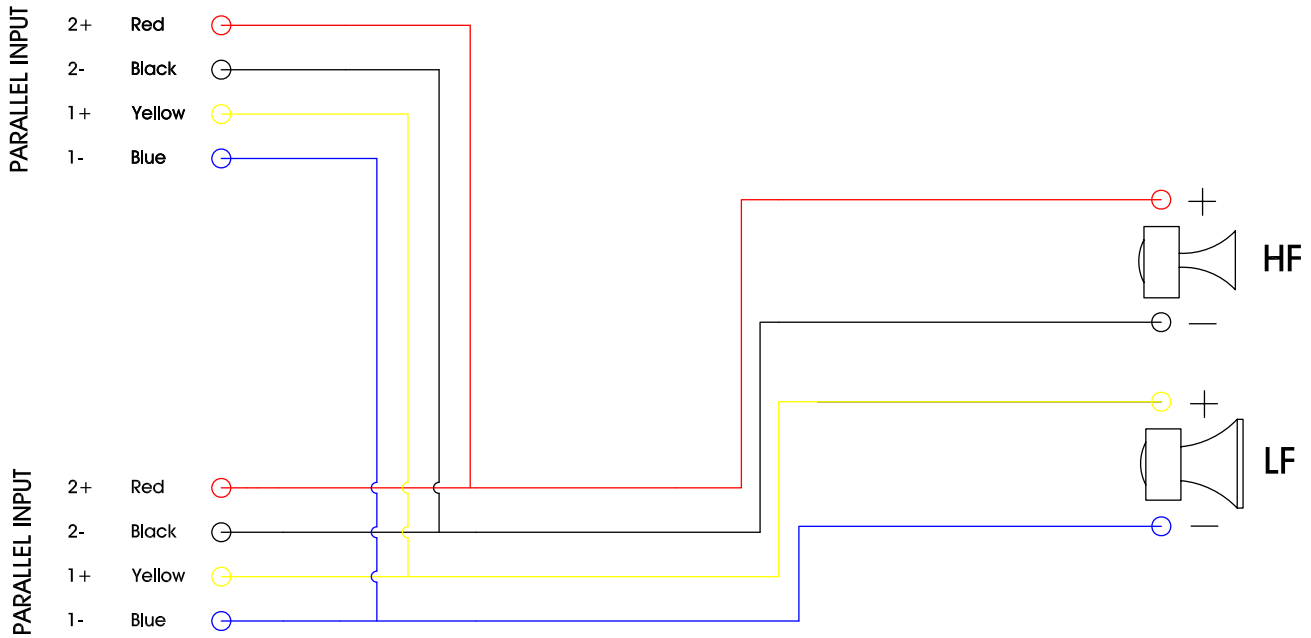


2.1
Active/Passive Operation

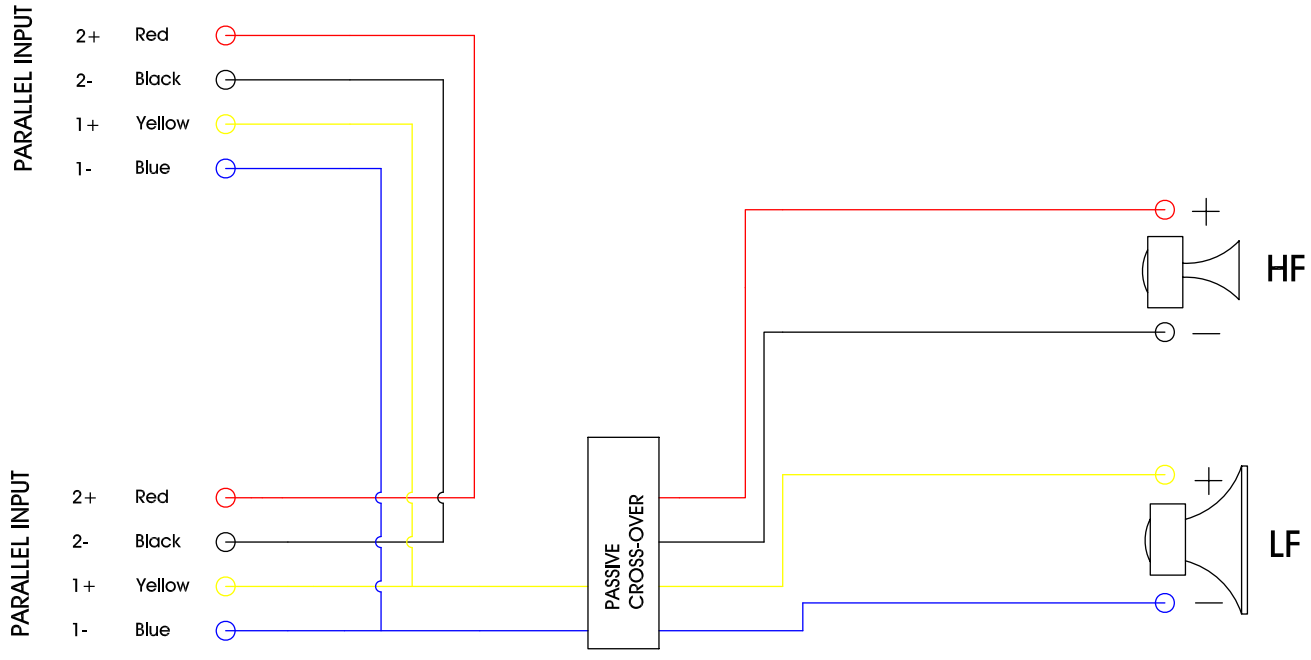
To give the contractor flexibility when it comes to pricing, all Point Series (with the exception of the Point 215 Sub) loudspeakers are available in active or passive operation. Used actively, the Point 8,12 & 15 each require 2x amplifier channels and receive a low and a high signal, crossed over with the Point Controller digital signal processor. If using the Point 115 or Point 215 Subs in conjunction with the 2 way Point Series cabinets, only one amp channel and one DSP channel will need to be used. The DSP is required to accurately xover the Point Subs with Active Point Series 2 Way cabinets.

If used passively, each Point Series box only requires a single amp channel. DSP is still recommended for EQ and limiting. The Point 115 Sub has an built-in 2 way xover so that one amplifier channel can drive the Point 115 and also a Point 8 of the same feed. The signal is fed into the left output of the Point 115 then it enters an inbuilt passive xover. The Sub output is then connected to the 15" woofer and the high passed xover output is fed to the second NL4 connector on the back of the Point 115 for connection to a Point 8 cabinet.

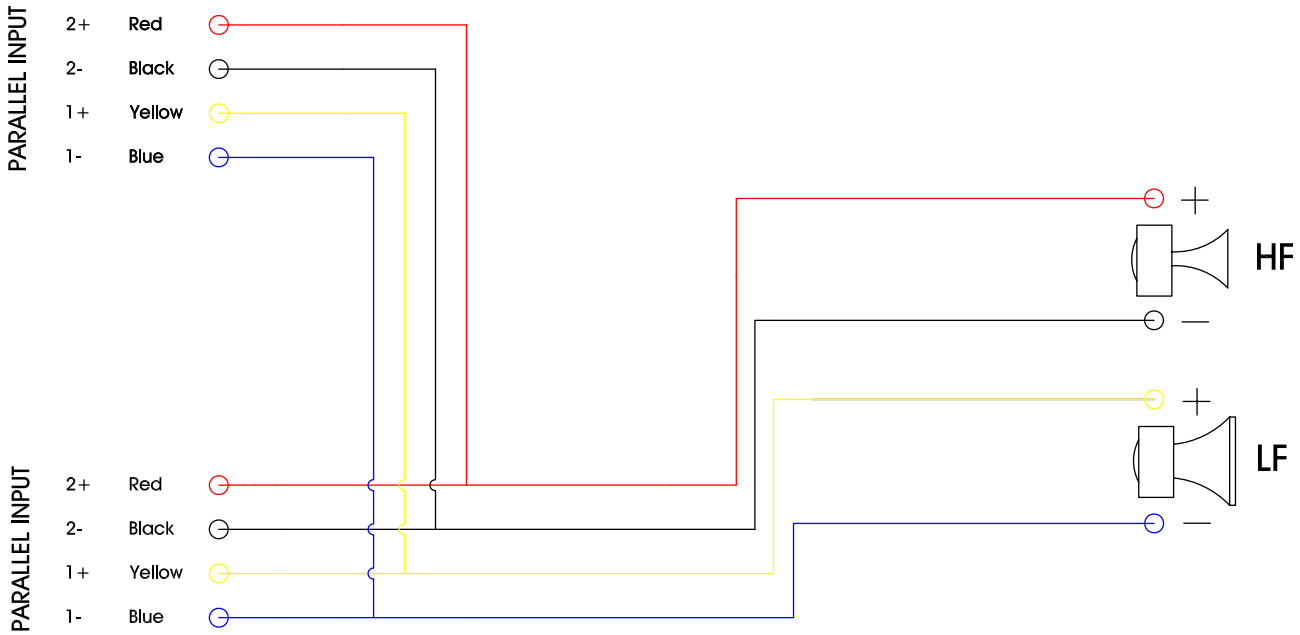
Point 8 Active



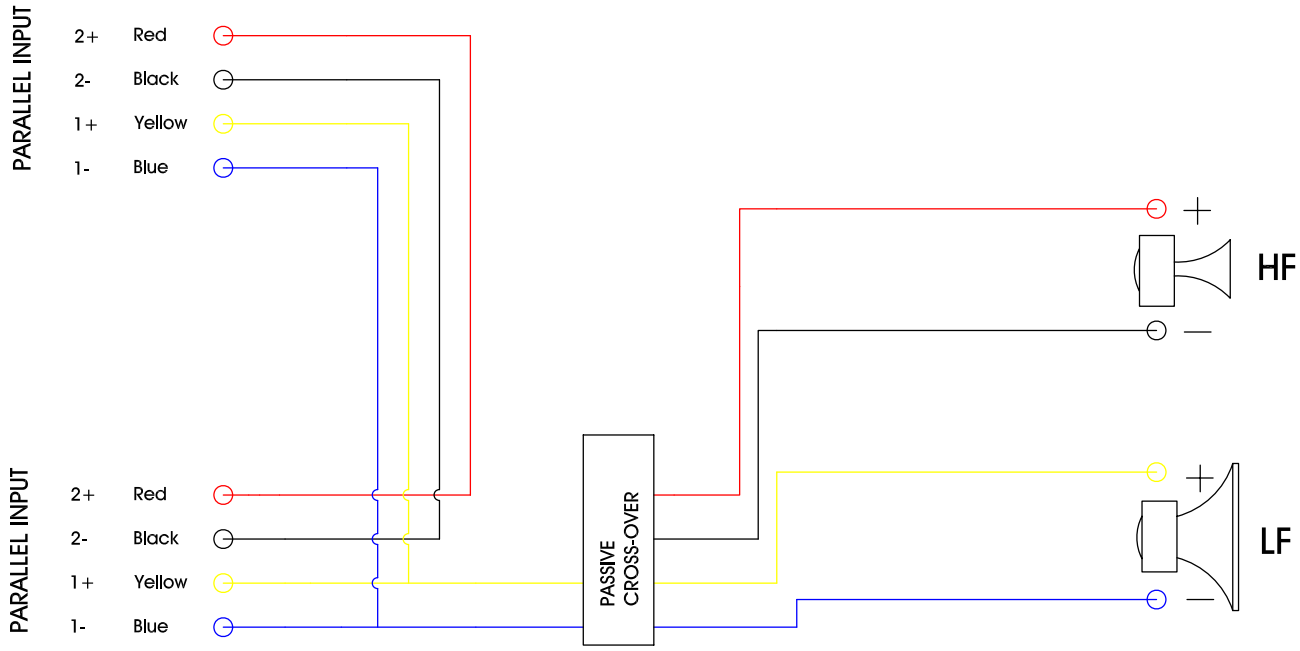
Point 8 Passive



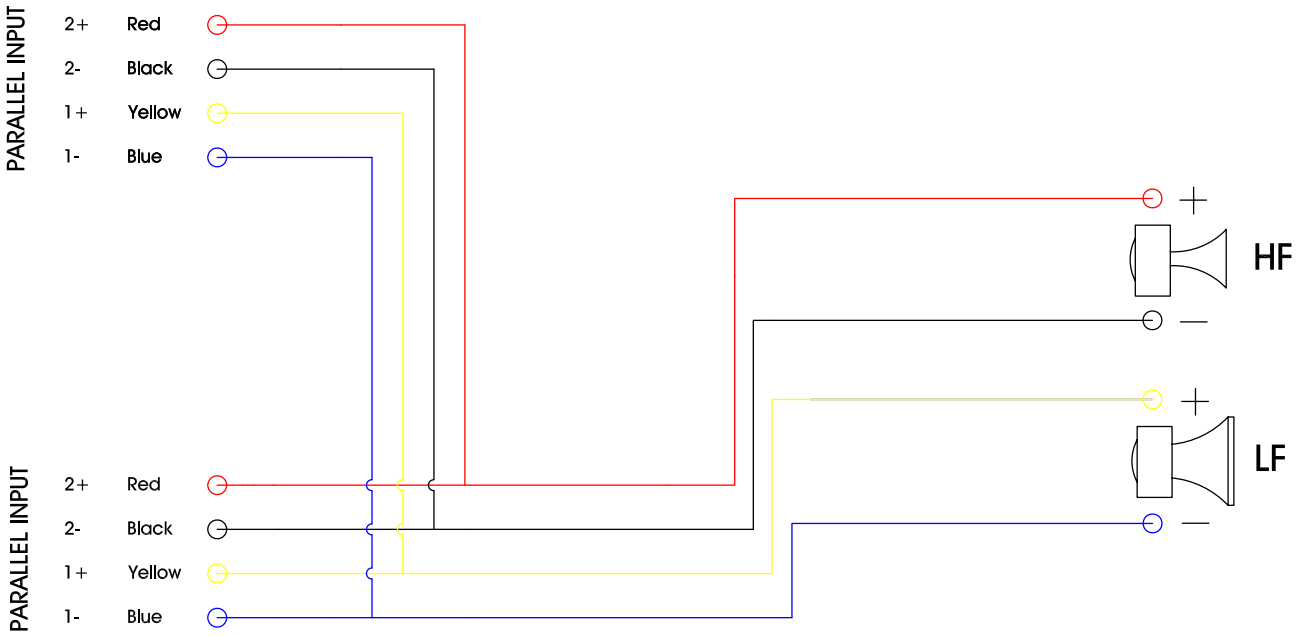
Point 12 Active



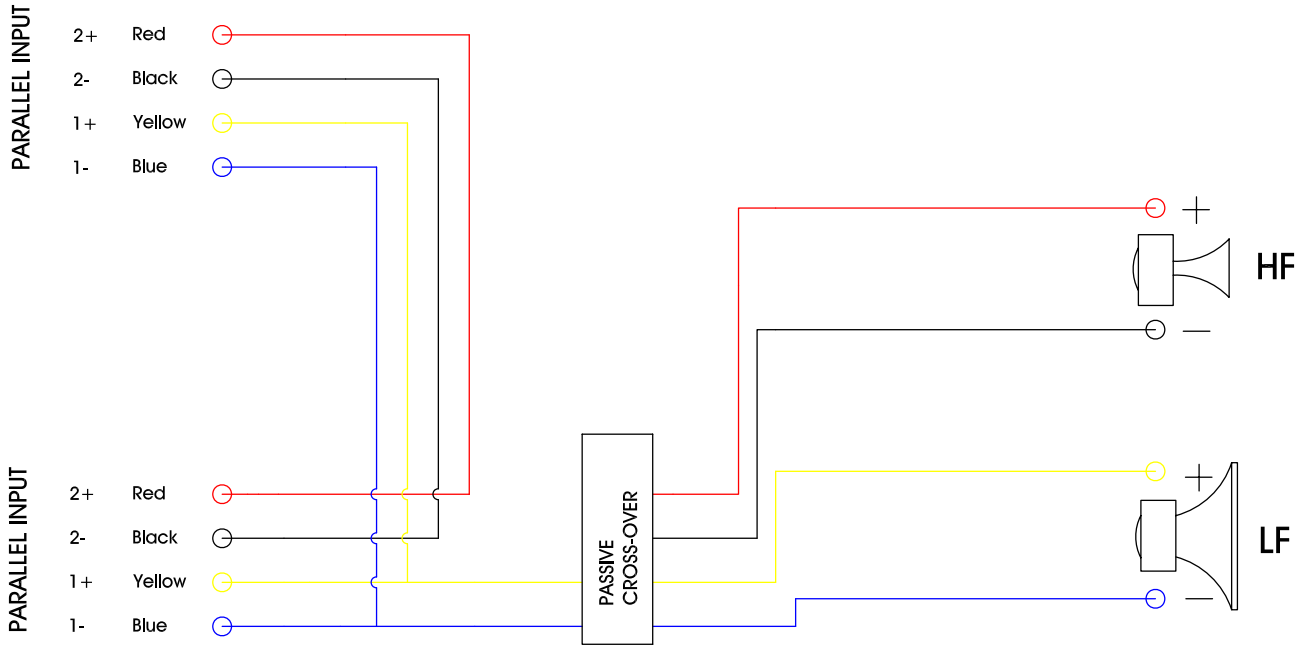
Point 12 Passive



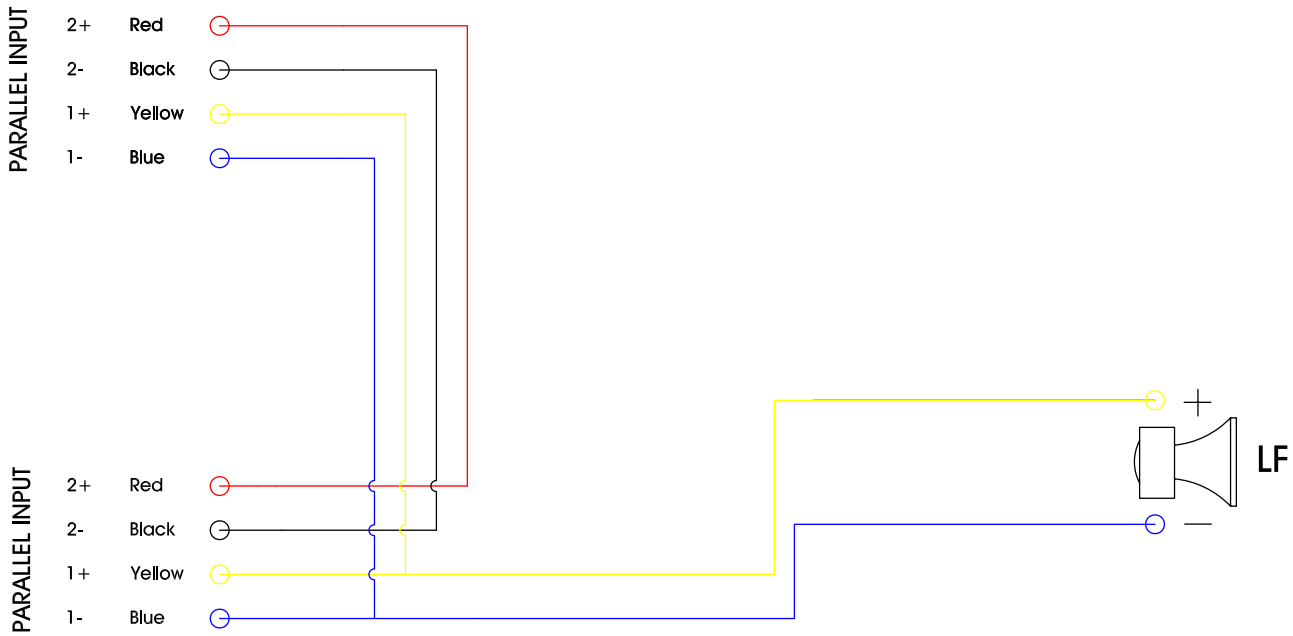
Point 15 Active



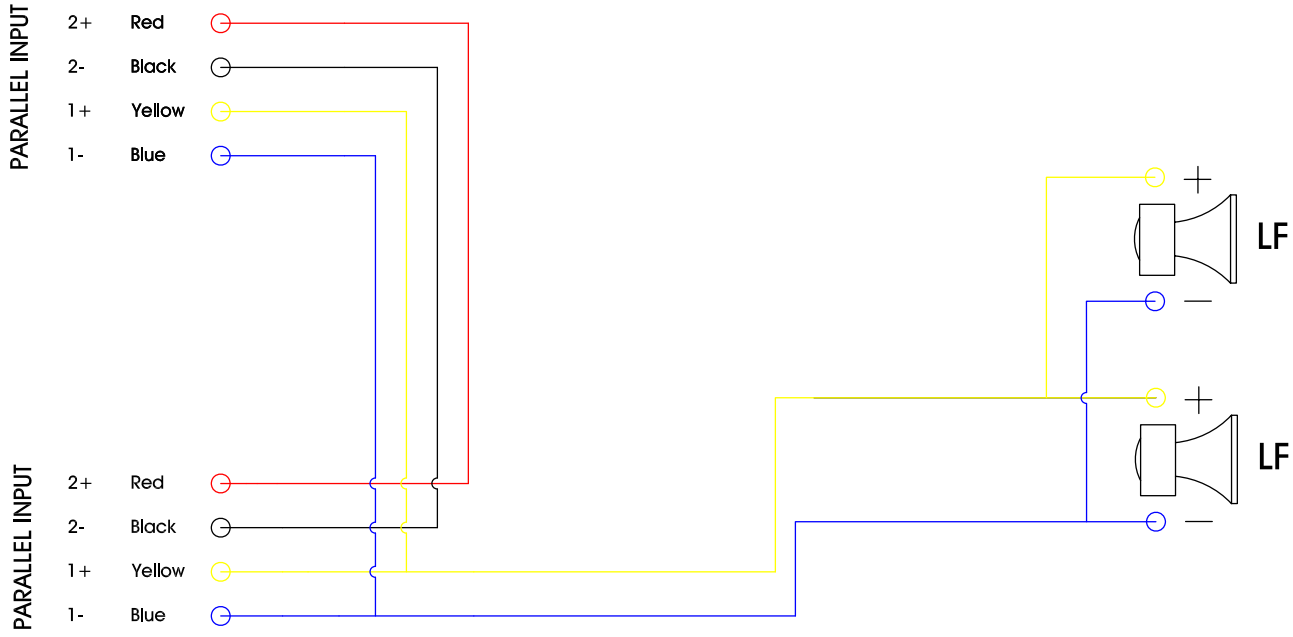
Point 15 Passive



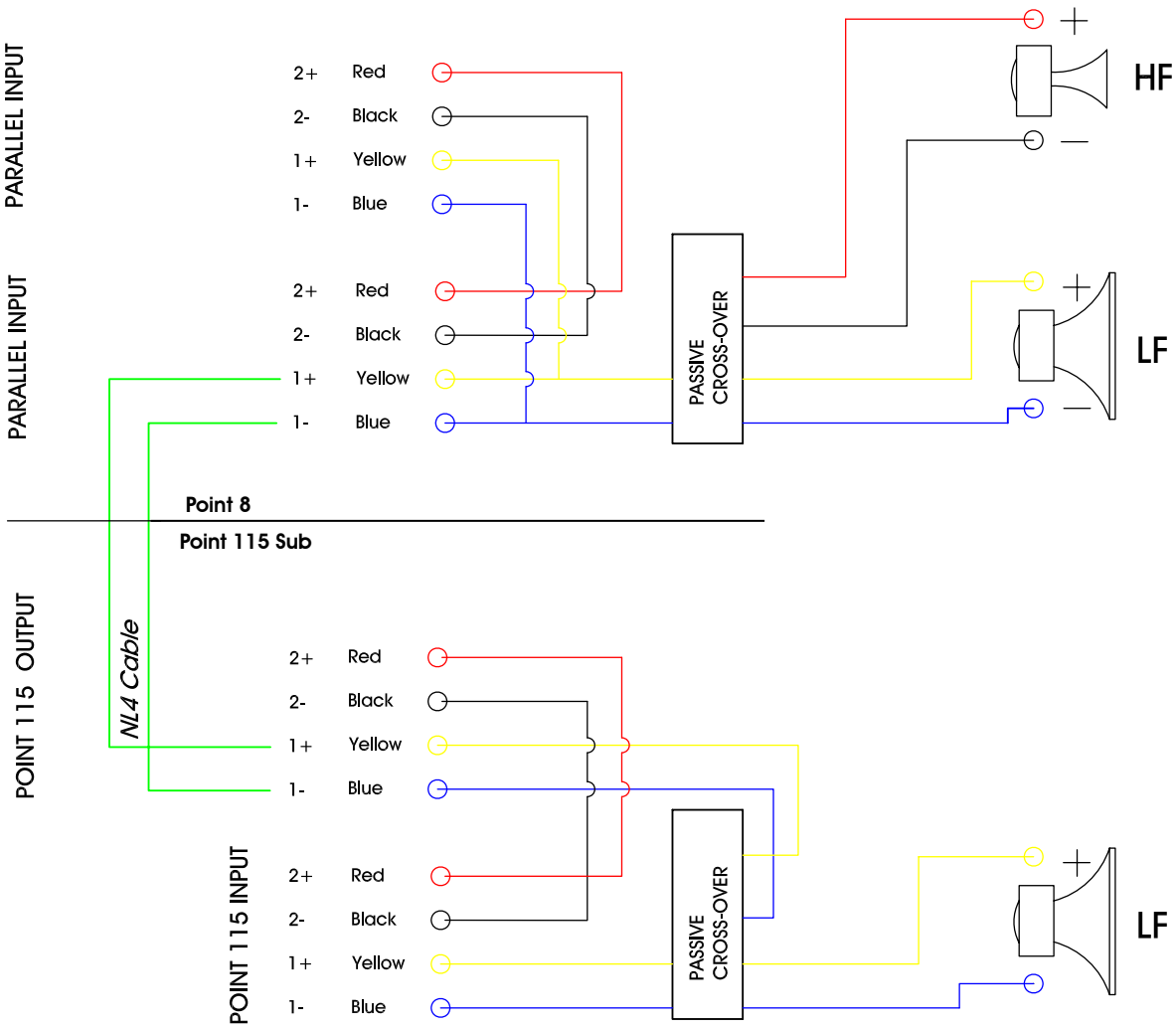
Point 115 Sub Active



Point 215 Sub Active



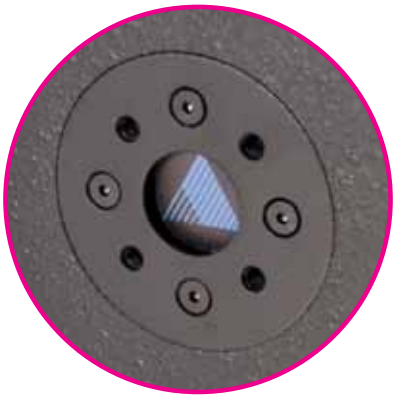
Point 115 Sub Passive (with Point 8 output)



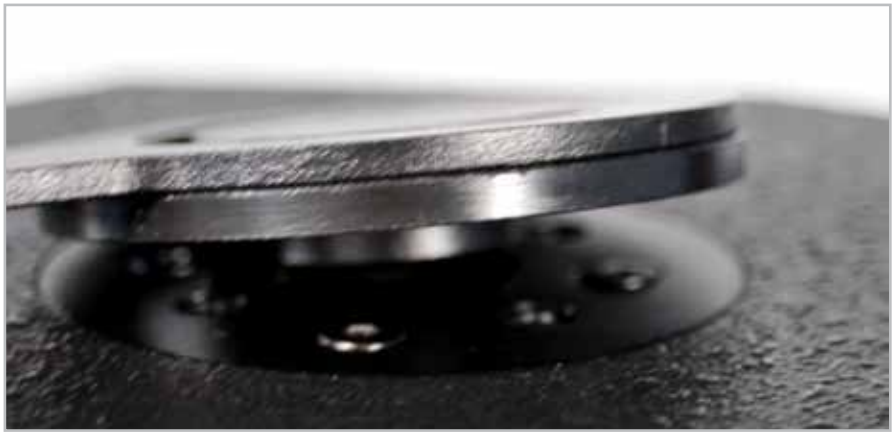
SLR™ Socket

The SLR™ (Side Lock Revolver) Socket is the main attachment point* for all of the brackets in the Point Series SLR™ (Side Lock Revolver) rigging system. Each box** in the Point Series has SLR™ Sockets on both sides and top and bottom.

(Built-in no part #)



The SLR™ Socket allows horizontal and vertical rigging brackets to be snapped into place, and then adjusted to get desired angle.



This means the user does not have to lift the box while trying to adjust the aiming angle. The screw threads are used for locking the brackets into place at their desired angle - and for attaching SLR™ Sight Mount accessories.

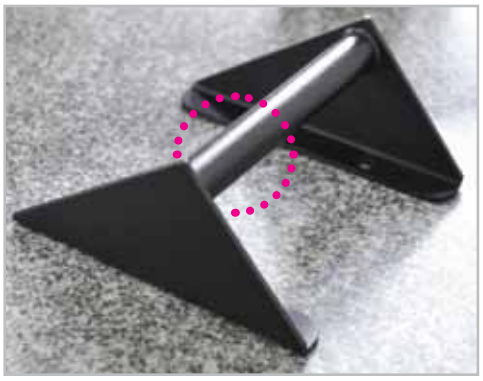
[1] *Except for the Omni Mount Bracket*
[2] *Except for the Point 215 Sub*

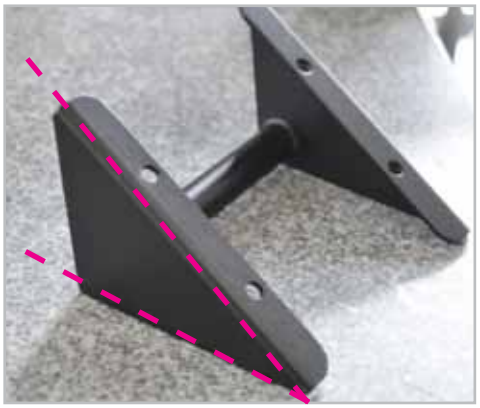
5/16-18" Omni Mount Threads

Each* Point Series cabinet contains 5/16-18" Omni Mount threads. The Point 8 contains 40 Series Omni Mount Threads and the Point 12, 15 & 115 Sub contain 60 Series Omni Mount Threads**. 5/16-18" Omni mount threads are filled with according flat head Screws, These screws can be used with the optional SLR™ Wedger.

(Built-in no part #)

** Except for the Point 215 Sub*
*** Adamson Systems Engineering do not supply Omni Mount Brackets*





SLR™ Wedger

The SLR™ Wedger is a stand / handle combo* for supporting a Point 2-way enclosure as an elevated stage monitor with 2 fixed angles: 40˚ & 55˚. The SLR™ Wedger screws into the built-in Omnimount threads. The necessary 5/16- 18" thread flathead screws are built-in. There are 3 Wedger sizes, one for each a Point -8, Point -12 and Point-15.

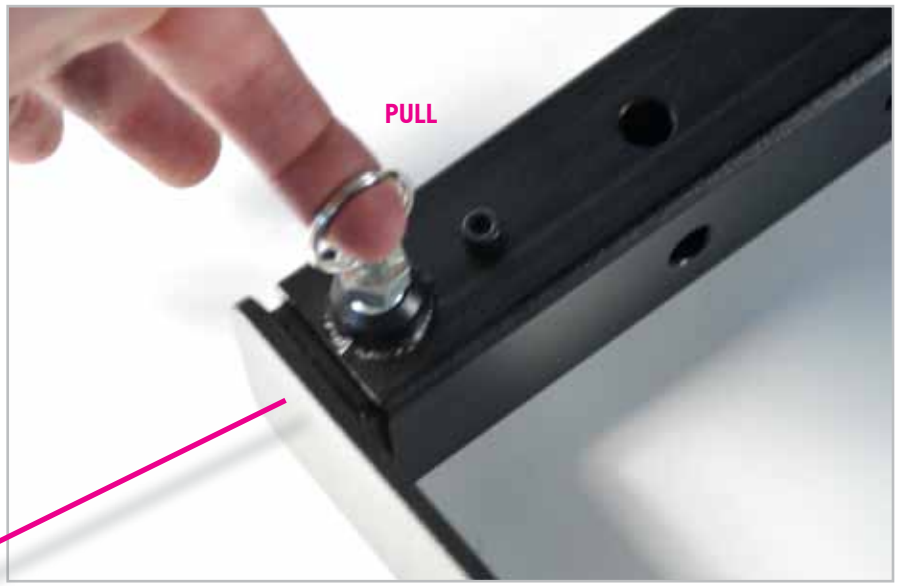
(Part # 8 - 920125, 12 - 920126, 15 - 920127)

**The Point 8 SLR™ Wedger is a stand only. Pictured Point 8 SLR™ Wedger is unpainted, but displays the accurate hole sizes for use with built-in flat head screws.*

SLR™ Quick-Lock™ Pin

Pulling the Quick-Lock™ Pin allows one arm of the SLR™ Horizontal, Vertical and Butterfly Brackets to extend- allowing them to be lined up with the SLR™ Sockets. Once they're lined up, the arm can be snapped into the socket. Once the arm is in place the Quick-Lock™ pin then locks the bracket in place. The SLR™ 360° Articulator™ and Articulator™ Also use the Quick-Lock pin mechanism.

(Built-in no part #)

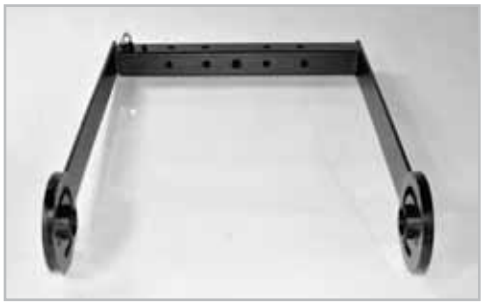


Manually Adjustable Knob*

These custom order Pronged manually adfjustable knobs can be used with SLR™ Vertical, Horizontal, Butterfly and Underhang Kits, in place of the standard Phillips head screws included.

(Part # 920107)

[1] Look may vary from pictured knobs



SLR™ Quick-Lock™ Vertical Bracket

The Quick-Lock™ Vertical Bracket attaches to all Point Series via the SLR™ Sockets on the sides of the cabinet. The Quick-Lock™Vertical Bracket allows the cabinet to then be rotated in the vertical plane and locked into place via the screw threads in the SLR™Socket. It can then be attached to either a C-Clamp Accesory or custom bracket via the bolt holes on the top of the bracket.

(Part # 8 - 920110, 12 - 920113, 15 - 920117)

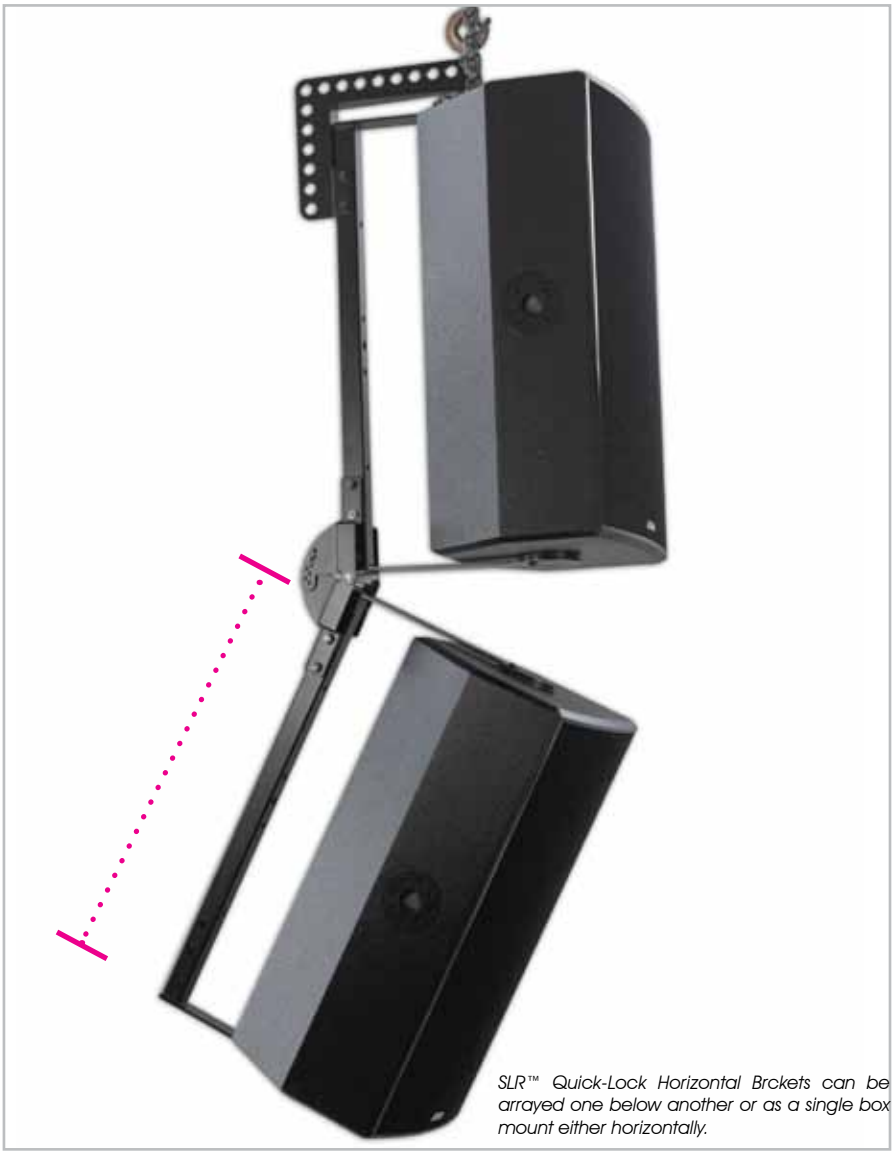
The Horizontal Bracket can be locked into place via the screw threads in the SLR™ Socket. It can then be attached to either a C-Clamp or custom bracket via the bolt holes in the middle of the bracket. The Horizontal Bracket can also be flown using a Quick-Lock™ Super Sight Mount and can attach to a Quick-Lock™ Articulator for angle adjustment in a 2 deep array.

SLR™ Quick-Lock™ Horizontal Bracket

The Quick-Lock™ Horizontal Bracket attaches to all Point Series via the top and bottom SLR™ Sockets. The Quick-Lock™ Horizontal Bracket allows the cabinet to then be rotated in the vertical plane while hung horizontally but allows rotation in the horizontal plane when hung vertically.

NOTE: A HORIZONTAL BRACKET MUST BE USED WHEN HANGING A 2 DEEP VERTICAL ARRAY.

(Part # 8 - 920112, 12 - 920115, 15 - 920119)



SLR™ Quick-Lock Horizontal Brckets can be arrayed one below another or as a single box mount either horizontally.

SLR™ Quick-Lock™ Butterfly Bracket

The Quick-Lock Butterfly Bracket is used to attach 2 x Point Series cabinets in a horizontal array. The Quick-Lock™ Butterfly Bracket is designed to fly vertically but can be tilted in the vertical plane. Both cabinets can then be rotated independently of each other in the horizontal plane. There is a Quick-Lock™ Pin on both arms of the butterfly bracket to allow each box to be snapped into place separately.

(Part # 8 - 920111, 12 - 920114, 15 - 920118)

SLR™ Quick-Lock™ Articulator

The Quick-Lock™ Articulator is used between two brackets in a vertical array. The Quick-Lock™ Articulator then allows a downward tilt of varying degrees on the bottom bracket. The Quick-Lock™ Articulator can be used between any combination of Horizontal or Butterfly Brackets- for example: A Point 8 Horizontal Bracket can be underhung beneath a Point 15 Butterfly Bracket.

The angle is set by inserting a push pin into one of 8 holes each representing a different vertical angle.

(Part # 920097)

SLR™ Sight Mount

The standard Sight Mount attaches directly to any Point Series cabinet via the screw threads mounted in the SLR Socket adapter. Each different hole on the SIght Mount offers a different vertical aiming angle.

(Part # 920095)

SLR™ Extended Sight Mount

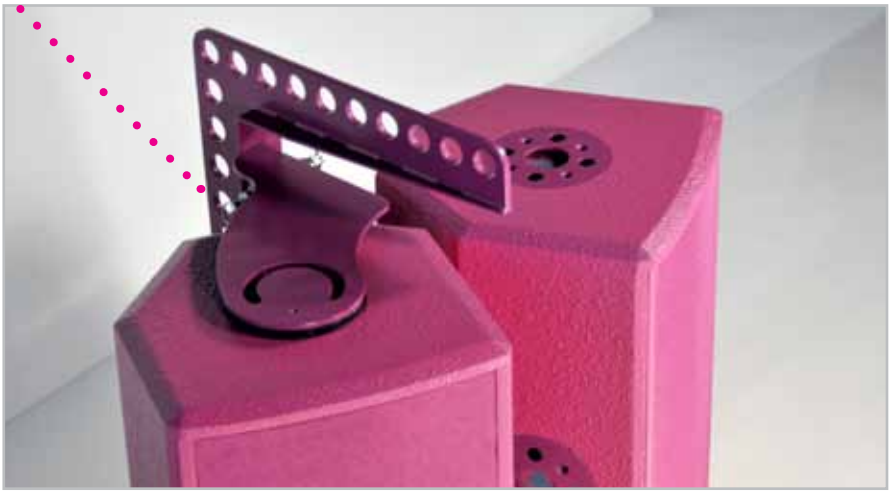
The Extended Sight Mount offers a wider variety of available vertical aiming angles than the standard Sight Mount

(Part # 920094)

SLR™ Super Sight Mount

The Super Sight Mount is designed to be used with Quick-Lock™ Horizontal, Vertical and Butterfly Brackets. It's purpose is to provide options for hanging the brackets from a single (or dual) pick up point. Varying degrees of vertical tilt can be achieved using the different holes on the Quick-Lock™ Sight Mount.

(Part # 920096)



SLR™ Polemount Base for Subs

The bottom SLR™ Socket on the Point Series cabinets doubles as a Polemount Socket with using the Polemount Adapter for use with any standard polemount tube. Both 115 and 215 Point Series Subs require a SLR™ Polemount Base to receive the Pole into the cabinet.

(Part # 920109)

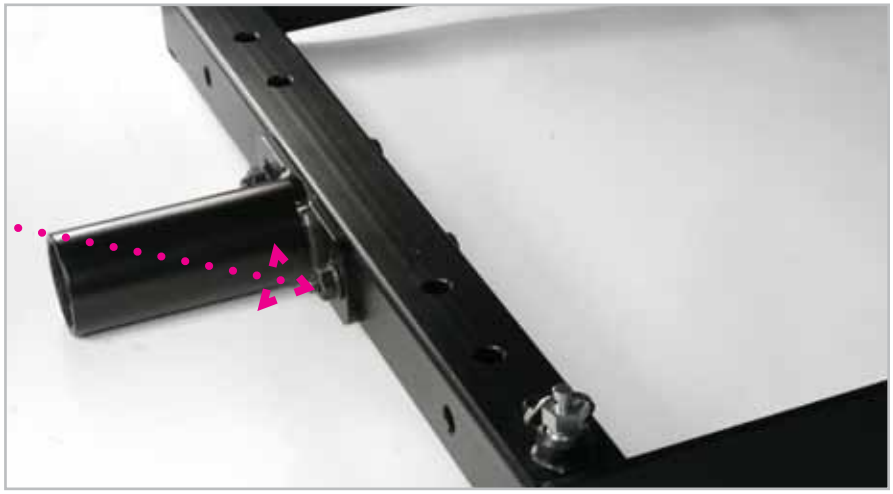
SLR™ Polemount Base screws into the Point Series Subs' SLR™ Sockets. Top View

Built-in SLR™ socket in 2 way Point Series Cabinets doubles as a polemount Socket

SLR™ Pole Mount Base for Quick-Lock™ Brackets

The Pole Mount Base for Quick-Lock™ Brackets can be fitted to any of the Point Series Horizontal or Vertical Brackets (except the Point 8 Vertical) for use with any standard speaker stand or pole. The Pole Mount Base for Quick-Lock™ Brackets can be utilized with the Pole Mount Base for Point Subs to offer a 3- way Polemounted system.

(Part # 920108)



SLR™ Quick-Lock™ 360° Articulator

The Quick-Lock™ 360° Articulator allows any Point Series cabinet to be mount to a standard C-Clamp and then rotated a full 360° in the horizontal plane. It uses a push pin to lock in the desired horizontal angle to ensure no movement over time. The 360° Base Plate is mounted directly to the SLR™ Socket, and the cabinet can then be rotated and snapped into place using the push pin.

(Part # 920123)

SLR™ Fixed Base C-Clamp Adapter

The Fixed Base C-Clamp Adapter is used to attach a standard C-Clamp to any Point Series cabinet. It attaches directly to the cabinet via the screw threads in the SLR™Socket on the top of the cabinet.

SLR™ C-Clamp Accessories

SLR™ Point 15 to Point 8 Underhang Adapters

The Point 15 to Point 8 Adapter consists of two Mirror-imaged arms, similar to the Point 115 Sub to Point 8 kit, which allow a Point 8 cabinet to be hung horizontally (on it's side) underneath a Vertically hung Poin15, 2-way cabinet. The Point 8 can then be tilted in the vertical plane to achieve the desired coverage angle.

NOTE: If both the Point 15 and Point 8 are used in Passive Mode-they both can be powered using a single amplifier channel. See Wiring Diagrams (p.22) for details.

The Point 15 to Point 8 Adapters attaches via the SLR™ Sockets on both the Point 15 and the Point 8 and are held in place via the screw threads in the SLR™ Socket.

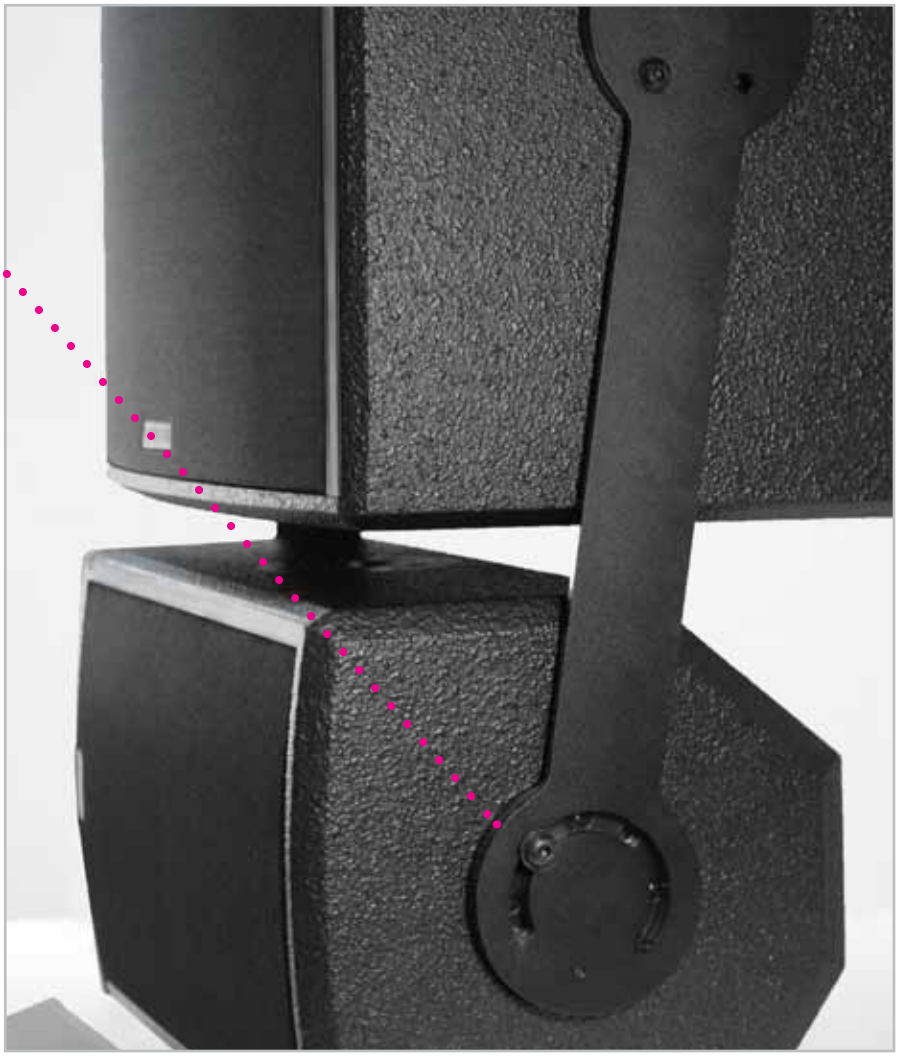
(Part # 920098)

SLR™ Point 115 Sub to Point 8 Underhang Adapters

The Point 115 Sub to Point 8 Adapter consists of two Mirror-imaged arms that allow a Point 8 cabinet to be hung horizontally (on it's side) underneath a Point 115 Sub. The Point 8 can then be tilted in the vertical plane to achieve the desired coverage angle. NOTE: If both the Point 115 Sub and Point 8 are used in Passive Mode-they both can be powered using 1x amplifier channel. See Wiring Diagrams (p.22) for details.

The Point 115 Sub to Point 8 Adapters attaches via the SLR™ Sockets on both the Point 115 Sub and the Point 8 and are held in place via the screw threads in the SLR™ Socket.

(Part # 920099)



SLR™ Rigging Screws, Bolts and Washers Chart

Point Series Rigging Fasteners (Shipped with Rigging)

FASTENER TYPE & QUANTITY (PER UNIT)							
PART NAME	BUTTON HEAD	BUTTON HEAD	SHOULDER BOLT	WASHER SAE	WASHER SAE	FLANGE NUT	WASHER (NYLON)
SCREW - THREAD SIZE	5/16"-18 X 1/2"	5/16"-18 X 7/8"	3/8" X 1.75"	3/8"	5/16"	5/16"-18	5/16"
SLR™ Point 8 Horizontal Bracket	-	2	-	-	-	-	2
SLR™ Point 8 Vertical Bracket	-	2	-	-	-	-	2
SLR™ Point 12 Horizontal Bracket	-	2	-	-	-	-	2
SLR™ Point 12 Vertical Bracket	-	2	-	-	-	-	2
SLR™ Point 15 Horizontal Bracket	-	2	-	-	-	-	2
SLR™ Point 15 Vertical Bracket	-	2	-	-	-	-	2
SLR™ Point 15 Butterfly Bracket	-	4	-	-	-	-	4
SLR™ Point 12 Butterfly Bracket	-	4	-	-	-	-	4
SLR™ Point 15 Butterfly Bracket	-	4	-	-	-	-	4
SLR™ Sight Mount Point 15 to Point 8 Underhang	-	10	-	-	-	-	2
SLR™ Sight Mount Point 115 S to Point 8 Underhang	-	6	-	-	-	-	2
SLR™ Sight Mount	-	-	2	2	2	2	-
SLR™ Extended Sight Mount			2	2	2	2	-
SLR™ Super Sight Mount	4	-	-	-	4	-	-
SLR™ Polemount Socket for Subs	4	-	-	-	4	-	-
SLR™ QL Articulator	-	-	4	4	4	4	-
SLR™ 360° Articulator	4	-	-	-	-	-	-
SLR™ Fixed Base for C-Clamp	2	-	-	-	-	-	2
Point 215 Sub Polemount	4	-	-	-	-	-	-
SLR™ Wedger -8,-12, -15	Included in cabinet construction (placed in built-in omnimount threads)						

2 Point Series Cabinets Side by Side

You'll Need:
1 x SLR™ Butterly Bracket (with Screws or manually adjustable knobs)
1 x SLR™ Super Sight Mount

Point Series 8 Cabinet under a Point 115 Sub or a Point 15

You'll Need:
1 set (left and right) x SLR™ Underhang Kit
1 x SLR™ Regular or Extended Sight Mount

2 Point Series cabinets hung vertically one under another

You'll Need:
2 x SLR™ Horizontal Bracket
1 x SLR™ Articulator
1 x SLR™ Super Sight Mount

Processing, Amplification & Cabling

Processing
All processing is taken care of by the Point Control Digital Signal Processor.

Point Series Cabinets available in both Passive or Active versions.

Amplification
Adamson recommends the use of Lab.gruppen amplifiers for the entire Point Series range. There are many different power handling options in the C:Series Installation range in both 4 and 8 channel models. and the FP touring series is also recommended for its ability to run comfortably at a 2Ω load.

NOTE: Not all C:Series amplifiers will be able to handle a 2Ω load though some of the later models are capable of this. It is up to the system designer to ensure the right amplifier is used for the job.

Cabling
All speaker connections in Point Series range utilize standard Speakon™ NL4 connectors. The minimum recommended cable gauge is 13 AWG or 2.5mm2 though for longer runs or when running amplifiers at low impedences- a thicker wire gauge is recommended. All Point Series cabinets feature a recessed rear-panel.

Barrier Strip
Available by request.

ADAMSON